

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9910788635303321 |
| Titolo | Randomization, relaxation, and complexity in polynomial equation solving : Banff International Research Station Workshop on Randomization, Relaxation, and Complexity, February 28-March 5, 2010, Banff, Ontario, Canada // Leonid Gurvits [and three others], editors |
| Pubbl/distr/stampa | Providence, Rhode Island : , : American Mathematical Society, , [2011] ©2011 |
| ISBN | 0-8218-8235-X 0-8218-8380-1 |
| Descrizione fisica | 1 online resource (230 p.) |
| Collana | Contemporary mathematics, ; 556 , 0271-4132 |
| Classificazione | 11Y1612Y0514M2514P2514Q2014T0552B5565H0465Y20 |
| Disciplina | 512.9/422 |
| Soggetti | Number theory Algorithms Geometry, Algebraic |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Contents -- Preface -- Multivariate Ultrametric Root Counting -- A Parallel Endgame -- Efficient Polynomial System Solving by Numerical Methods -- Symmetric Determinantal Representation of Formulas and Weakly Skew Circuits -- Mixed Volume Computation in Solving Polynomial Systems -- A Search for an Optimal Start System for Numerical Homotopy Continuation -- Complex Tropical Localization, and Coamoebas of Complex Algebraic Hypersurfaces -- 1. Introduction -- 2. Preliminaries -- 3. Complex tropical hypersurfaces with a simplex Newton polytope -- 4. Tropical mirror hypersurfaces -- 5. Coamoebas of complex tropical hypersurfaces -- 6. Coamoebas of complex algebraic hypersurfaces -- 7. Examples of complex algebraic plane curves coamoebas -- References -- Randomization, Sums of Squares, Near-Circuits, and Faster Real Root Counting -- Dense Fewnomials -- The Numerical Greatest Common Divisor of Univariate Polynomials. |

